

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 April 2002 (11.04.2002)

PCT

(10) International Publication Number
WO 02/029117 A3

(51) International Patent Classification⁷: C12Q 1/68

(21) International Application Number: PCT/US01/31698

(22) International Filing Date: 9 October 2001 (09.10.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/238,850 6 October 2000 (06.10.2000) US

(71) Applicant (for all designated States except US): NUGEN
TECHNOLOGIES, INC. [US/US]; 821 Industrial Road,
San Carlos, CA 94070 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): KURN, Nurith
[US/US]; 2876 Ramona Street, Palo Alto, CA 94306 (US).

(74) Agent: POLIZZI, Catherine, M.; Morrison & Foerster
LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,
ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
TG).

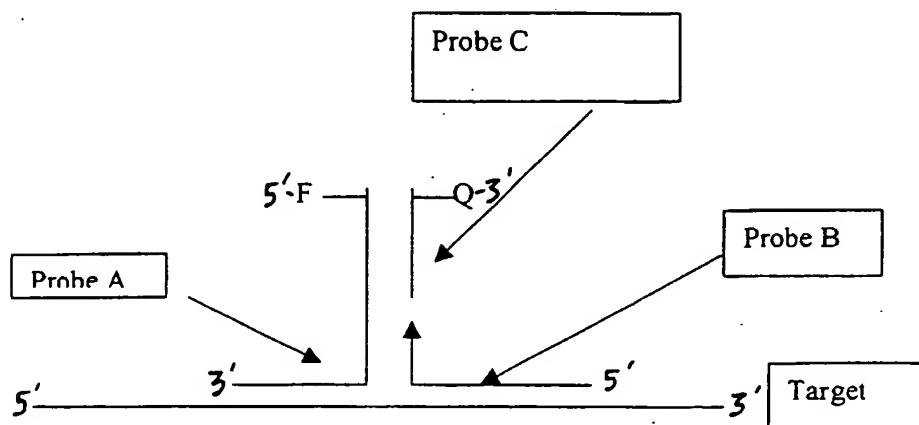
Published:

— with international search report

(88) Date of publication of the international search report:
14 August 2003

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND PROBES FOR DETECTION AND/OR QUANTIFICATION OF NUCLEIC ACID SEQUENCES



(57) Abstract: The present invention discloses nucleic acid detector probes for specific detection and/or quantification of target nucleic acid sequences and detection and/or quantification methods using these probes. In the absence of target nucleic acid sequence, a first oligonucleotide and a third oligonucleotide are bound to each other in a conformation which brings two member of an interacting moiety pair (labels) into close spatial proximity. Cooperative binding of the first oligonucleotide and a second oligonucleotide to a target nucleic acid sequence causes displacement of the third oligonucleotide from the first oligonucleotide probe resulting in separation of the two members of the interacting moiety pair (labels). The spatial separation of the moieties (labels) is detectable, and indicates the presence and/or amount of the target nucleic acid sequence. The method is useful for detection and/or quantification of a specific nucleic acid sequence as well as the detection of sequence alteration in the target nucleic acid sequence.

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INTERNATIONAL SEARCH REPORT

International . cation No

PCT/US 01/31698

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99 42616 A (DADE BEHRING INC) 26 August 1999 (1999-08-26) the whole document	1-29, 33-46
Y	WO 00 15848 A (GENELABS TECH INC) 23 March 2000 (2000-03-23) page 4, line 28 -page 5, line 30 page 11 -page 12, paragraph C. page 23 -page 24, paragraph C. claims	1-46
Y	EP 0 909 823 A (BECTON DICKINSON CO) 21 April 1999 (1999-04-21) the whole document	31, 32

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the International search

17 February 2003

Date of mailing of the International search report

24/02/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Andres, S

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 01/31698

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Information on patent family members

International Application No

PCT/US 01/31698

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